	INTERNATION IN SERVICE RESIDENCE		PCT/JP2004/014274
	CATION OF SUBJECT MATTER 7 C01B13/11, H02M7/48		
According to In	ternational Patent Classification (IPC) or to both nation	al classification and IPC	
B. FIELDS SE			
	nentation searched (classification system followed by c CO1B13/11, HO2M7/48	lassification symbols)	
Jitsuyo		ent that such documents are i Ltsuyo Shinan Torok Droku Jitsuyo Shina	u Koho 1996-2004
	pase consulted during the international search (name of S (JOIS), WPI/L	data base and, where practica	able, search terms used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	ppropriate, of the relevant pas	Relevant to claim No.
Y A	JP 2004-142963 A (Mitsubishi 20 May, 2004 (20.05.04), Claims; Par. Nos. [0031] to [0140]; Figs. 1, 3, 4, 30, 31 & US 2004/76560 A1 & EP	[0124], [0136] to	3-5
Y	JP 9-59006 A (Meidensha Corp 04 March, 1997 (04.03.97), Full text (Family: none)	.),	1,2,6-8
× Further do	cuments are listed in the continuation of Box C.	See patent family an	nex.
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family	
	l completion of the international search ember, 2004 (15.12.04)	Date of mailing of the inter 11 January,	national search report 2005 (11.01.05)
	g address of the ISA/ se Patent Office	Authorized officer	

## REST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/014274

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	JP 10-25104 A (Sanyo Electric Co., Ltd.), 27 January, 1998 (27.01.98), Claims; Par. Nos. [0005] to [0007], [0038] to [0040]; Fig. 9 & DE 69704990 D & TW 419437 W & CA 2210053 A & EP 818415 A1 & CN 1188070 A & US 5942196 A & KR 228865 B	1,2,6-8	
Y .	JP 54-5895 A (Fuji Electric Co., Ltd.), 17 January, 1979 (17.01.79), Claims; page 2, lower left column, line 19 to page 3, upper right column, line 2 (Family: none)	6-8	
Α	Noboru WADA et al., "Daiyoryo Sekiso Heibangata Konodo Ozone Hassei Sochi", Mitsubishi Denki Giho, 1999, Vol.73, No.4, pages 252 to 256	1-8	
	·		
·	·	·	
•	•		